MEMOIRS

OF THE

COLLEGE OF SCIENCE

KYOTO IMPERIAL UNIVERSITY

SERIES A

VOL. VII,

MARCH 1925

KYOTO

Digitized by the Internet Archive
in 2024

https://archive.org/details/memoirs-faculty-science-kyoto-phys-astro-geophys-chem_1925_7_contents

CONTENTS OF VOLUME VII.

PAGE.

Shinsuke Tanaka and **Jinzo Tsutsumi,**—On the K-Series of the Spectrum of Molybdenum. 1

Shigeru Komatsu and **Hidenosuke Ueda,**—On the Chemistry of Japanese Plants, II. The Composition of Fossil Wood. .. 7

Shigeru Komatsu and **Naohiko Matsunami,**—On Kakishibu, I. Constitution of Shibuol, I. 15

Shigeru Komatsu, Risaburo Nakai and **Tetsuzo Inoue,**—On the Constitution of Polysaccarides, II. Constitution of Xylan... 25

Teruo Ashida,—Use of Zinc Amalgum in the Evolution Method for Determination of Sulphur in Iron and Steel... 31

Masayoshi Ishibashi,—Electric Reduction of Oximes, I. Benzoinoxime. 39

Shirow Takegami,—On the Contact Potential... 45

Yukichi Osaka, Goro Shima and **Ryohei Yoshida,**—On the Equilibrium of the System : Ferric Chloride, Aniline Hydrochloride, Hydrogen Chloride and Water at 25·°0... 69

Shigeru Komatsu and **Suehiko Kusumoto,**—On the Composition of Japanese Petroleum, I. 77

Shigeru Komatsu,—Studies on Catalytic Action, IV. A New Function of Reduced Copper. 85

Seiichi Ishikawa,—Condensation of Nitriles with Thiamides, II. Acetonitrile with Thiobenzamide ; and Benzonitrile with Thioacetamide. 93

Kashichi Ono,—Studies on Camphor Oils, Part I. On the Reaction between Camphor Red Oil and Sulphuric Acid. .. 99

Denzo Uno,—Über die Zementierung kleiner Eisenstücke. 107

—— ——,—Metallographische Untersuchung über die Nähnadeln. 122

Shigeru komatsu and **Shinichiro Kumamoto,**—Studies on Catalytic Action, V. Catalytic Reduction of α and β-Naphthyl Methyl Ethers. 135

PAGE

Shigeru Komatsu and **Naozo Tanaka,**—On the Composition of Japanese Petroleum, II. 143

Shigeru Komatsu,—On Beckmann's Rearrangement, X... 147

Shigeru Komatsu and **Masao Kurata,**—Catalytic Action of Reduced Copper on laevo-Menthone (On Beckmann's Rearrangement). 151

——— ——— ——— ———,—Studies on Catalytic Action, VI. Catalytic Action of Reduced Copper on Acid Amide. 157

Shigeru Komatsu and **Minoru Tanimura,**—A Naw Method for the Isolation of Sucrose from the Mixture of Glucose, Fructose and Sucrose... 161

Shigeru Komatsu and **Motaro Ishimasa,**—On the Biochemical Study of the Ripening of the Kaki-fruit, VI. Isolation of Sucrose from the Kaki-fruit. 165

Jôyô Kanitani,—Projective Differential Geometry of Non-Developable Surfaces, II. 165

Masazo Sono,—On the Reduction of Ideals. 191

Nobuji Sasaki,—Über die Kinetik der Ionenreaktion zwischen Ferri- und Jodion. 205

Shozo Yamaguchi,—Catalytic Action of Reduced Copper on Acetophenone Oxime. (On Beckmann's Rearranegement, XII) ..281

Shigeru Komatsu, Bunkichi Masumoto and **Shinichiro Kumamoto,**—The Ultra-Violet Absorption Spectrum of Some Derivatives of Naphthols. 287

Shigeru Komatsu and **Masao Kurata,**—Studies on Catalytic Action, VII. Catalytic Action of Reduced Copper on Acetaldehyde. 293

Hidetoshi Kashiwagi,—Oriented Circles in Non-Euclidian Space, IV. 297

Jôyô Kanitani,—Projective Differential Geometry of Non-Developable Surfaces, III. 325

Shichizo Kato and **Osamu Shinoda,**—On the Spontaneous Decomposition of Lecithin. 339

Ryô Yasuda,—A Theorem relating to the Orders of a Transcendental Integral Function of Two Independent Variables. ..345

Kashichi Ono,—Studies on Camphor Oils, II. On the Reaction of Japanese Acid Clay to Camphor White Oil. 349

Nobuji Sasaki, Über den Gleichgewichtsuzstand Gemischter Salzlösung. 361

PAGE

Nobuji Sasaki,—Über die Dissoziation Mehratomiger Salze... ..370

Shigeru Komatsu and **Ryuzaburo Nodzu,**—On the Synthesis of Phosphoric Acid Esters, II. Synthesis of Some Glucose Monophosphoric Acid Esters and their Behavior toward Yeast. 377

Shigeru Komatsu and **Chikau Fujio,**—Studies on Camphor Series, IV. 389

Shigeru Komatsu and **Motaro Ishimasa,**—On the Biochemcal Study of the Ripening of the Kaki-Fruit, VII. 397

Tohoru Hara,—Studies on Catalytic Action, VIII. Catalytic Reduction of β-Naphthylamine... 403

P.P. von **Weimarn,**—Some Fundamental Principles of the Author's Theory of the Dispersoid (Colloid) State. 409